

## Recombinant Human P2RX4 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** P2RX4-3802H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | P2RX4 MS Standard C13 and N15-labeled recombinant protein (NP_002551) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The product of this gene belongs to the family of purinoceptors for ATP. This receptor functions as a ligand-gated ion channel with high calcium permeability. The main pharmacological distinction between the members of the purinoceptor family is the relative sensitivity to the antagonists suramin and PPADS. The product of this gene has the lowest sensitivity for these antagonists. Multiple alternatively spliced transcript variants, some protein-coding and some not protein-coding, have been found for this gene. |
| <b>Molecular Mass</b>   | 43.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MAGCCAALAAFLFEYDTPRIVLIRSRKVGLMNRAVQLLILAYVIGWVFWWEKGYQET<br>DSVSSVTTKVKGVAVTNTSKLGFRIWDVADYVIPAQEENSLFVMTNVILTMNQQTQG<br>LCPEIPDATTVCCKSDASCTAGSAGTHSNGVSTGRCVAFNGSVKTCVAAWCPVED<br>DTHVPQPAFLKAAENFTLLVKNNIWYPKFNFNFSKRNLNPNITTTYLKSCIYDAKTDPFCPI<br>FRLGKIVENAGHGFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRRLDTRDVE<br>HNVSPGYNFRFAKYRDLAGNEQRTLKAYGIRFDIIVFGKAGKFDIIPMTMINIGSGLAL                                                                                                                                                      |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

LGMATVLCDIIVLYCMKKRLYYREKKYKYVEDYEQGLASELDQTRTRPLEQKLISEED  
LAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** P2RX4 purinergic receptor P2X 4 [ Homo sapiens (human) ]

**Official Symbol** P2RX4

**Synonyms** P2RX4; purinergic receptor P2X, ligand-gated ion channel, 4; P2X purinoceptor 4; P2X4; ATP receptor; purinoceptor P2X4; P2X receptor, subunit 4; purinergic receptor P2X4; ATP-gated cation channel protein; P2X4R;

**Gene ID** 5025

**mRNA Refseq** NM\_002560

**Protein Refseq** NP\_002551

**MIM** 600846

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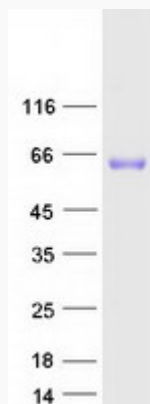
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UniProt ID

Q99571

SDS-PAGE

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